



ALLOTMENT MANAGEMENT PLAN  
BEAVER CREEK ALLOTMENT  
LONG VALLEY AND BEAVER CREEK RANGER DISTRICTS  
COCONINO NATIONAL FOREST

1996-2005

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10/18/96  
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I. INTRODUCTION

Purpose of this document. This document tiers to the Beaver Creek Allotment Management Plan Environmental Assessment. This plan carries out the provisions of the selected alternatives.

II. NON-USE

The Beaver Creek permittee has agreed to operator the allotment with reduced livestock numbers until such time as improvements can be constructed to facilitate improved management.

The EA states that livestock numbers would be temporarily reduce from 550 head of cattle yearlong to 350 head of cattle yearlong. One hundred head of cattle can be restored when graze periods in the Winter Use Area can be planned for 20 days or less during the plant growing season and 30+ days during the plant dormant season. Total livestock use periods within the Winter Use Area will be at least 90 days. An average 50% utilization figure will not be exceeded throughout the Winter Use Area, except in haying and seeding areas. If utilization exceeds 50% (average weighted by area) in the Winter Use Area with 450 head, livestock numbers will be reduced. The remaining 100 head of yearlong cattle will be restored once three criteria are met. 1. Monitoring verifies that the current 450 head of cattle can be sustained within the desired utilization standards. 2. Graze periods can be planned and maintained for 20 days or less during plant growth and 30 or more days during plant dormancy for one-half of the Transition Use Area. The planned period of use will be from April to July, November and December. 3. Utilization will not exceed 50 percent in the Winter Use area when livestock are working through these units on the way to the Summer Use Zone. If the conditions for utilization and the specific graze periods for the Winter and Transition areas cannot be met due to lack of forage, livestock numbers will be reduced.

The EA called for restoration of livestock numbers predicated on a cow-calf operation. The current permittee plans to operate yearling cattle. Due to the weights and length of graze of the yearlings, a conversion factor of .75 (or 1.33 yearlings per cow) was used. FSM 2231.61 states "firm stocking rates can be achieved only after all aspects of grazing impact, management, production/utilization, and impact on other resources and activities have been evaluated." The length of the trial period will normally not exceed 3 years.

Allotment Management Plan  
Beaver Creek Allotment

Change in the class of livestock complicates the original timetable as set forth in the EA based on a cow-calf operation. The following criteria have been agreed on by the permittee and Forest Service for firming up capacity estimates based on yearling numbers derived from the .75 conversion factor.

<u>Cow Numbers</u>	<u>Conversion Factor</u>	<u>Yearling Numbers</u>
350	.75	470
450	.75	600
550	.75	740

470 Yearlings

This number will be used until the necessary structural improvements are constructed in the Winter pasture. Once the improvements are in place the yearling numbers will be increased to 600 head.

600 Yearlings

One hundred thirty head of yearlings can be restored when graze periods in the Winter Use Area can be planned for 20 days or less during the plant growing season and 30 or more days during the plant dormant season. Total livestock use periods within the Winter Use Area will be at least 90 days. An average 50% utilization figure will not be exceeded throughout the Winter Use Area, except in haying and seeding areas. If utilization exceeds 50% (average weighted by area) in the Winter Use Area with 600 head of yearlings, livestock numbers will be reduced.

740 Yearlings

The remaining 140 head of yearlings yearlong will be restored when graze periods with the main cow herd in the grazed 1/2 of the Transition Use Area can be planned for 20 days or less during plant growth and 30 or more days during plant dormancy. The total use periods within 1/2 of the Transition Use Area (The 1/2 that is grazed that particular year) will be from April through July and again in November through December. Utilization will not exceed 50 percent in the grazed unit of the Winter Use area when livestock are working through these units on the way to the Summer Use Zone. These numbers will stay in place and be monitored for three years providing the above stated criteria are met during the first year. If they cannot be met during the first year, livestock numbers will be reduced at the end of the first grazing season. If the desired condition for utilization or the graze periods for the Winter and Transition areas cannot be met during the three year trial period due to lack of forage, livestock numbers will be reduced. If, after three years of monitoring, the utilization standards and graze periods for the Winter and the used portion of the Transition areas has been met, the livestock numbers will be converted to term.

If, at some future date, the permittee desires to change the class of livestock, the numbers will start at 450 head predicated on the improvements in the Winter Use Area are in place. The same criteria as set forth in the EA will be used to convert numbers to term and/or increase numbers back to the original 550 head of cattle yearlong.

Allotment Management Plan  
 Beaver Creek Allotment

III. IMPROVEMENTS NEEDED FOR RESTORATION OF NON-USE

In order for the first 100 head of cattle or 130 head of yearlings to be restored, the following proposed structural improvements must be in place and functional. These improvements are listed below.

<u>Year</u>	<u>Improvement</u>	<u>Pasture</u>
1997	Pipeline (2.5 miles)	Valley South
1997	1 storage	Valley south
1997	4 drinkers	Valley South
1997	Electric fence (2 miles)	Valley North
1997	Barbed wire fence (3 miles)	Upper White Mesa
1997	Barbed wire fence (1 mile)	Lower White Mesa
1997	Barbed wire fence (2 miles)	Old Bull
1997	1 cattleguard	Valley North

The following improvements must be in place and functional before the remaining non-use is restored.

<u>Year</u>	<u>Improvement</u>	<u>Pasture</u>
1998	Electric fence (2.5 miles)	Deadwood
1998	Electric fence (3.5 miles)	Roundup
1998	Electric fence (2 miles)	Tinney
1998	Electric fence (2 miles)	New Tank North
1998	Electric fence (2 miles)	New Tank South
1998	Electric fence (2.5 miles)	Brady

IV. GRAZING SEQUENCE FOR YEARS 1996-2006 BASED ON NEW STRUCTURAL IMPROVEMENTS

1. Grazing Sequence for 1996.

<u>Dates</u>	<u>Pasture</u>	<u>Number/Class of Livestock</u>
8/31-9/14	Shipping #1	350 Cows/470 Yearlings
9/15-9/29	Shipping #2	350 Cows/470 Yearlings
9/30-10/14	Shipping #3	350 Cows/470 Yearlings
10/15-10/24	Triangle	350 Cows/470 Yearlings
10/25-10/29	Bar D	350 Cows/470 Yearlings
10/30-11/18	Brady	350 Cows/470 Yearlings
11/19-11/28	New Tank South	350 Cows/470 Yearlings
11/29-12/8	Tinney	350 Cows/470 Yearlings
12/9-12/18	Roundup	350 Cows/470 Yearlings
12/19-12/31	Deadwood	350 Cows/470 Yearlings

Allotment Management Plan  
 Beaver Creek Allotment

2. Grazing Sequence for 1997-2000.

The following grazing sequence is based on physical vegetative characteristics (plant dormancy and growing season). During key species growing season, graze periods will not exceed 21 days. Graze periods during plant dormancy may be scheduled for up to 40 days.

Once the grazing sequence has been completed for years 1997-2000 it will be repeated.

1997

<u>Dates</u>	<u>Pasture</u>	<u>Number/Class of Livestock</u>
1/1-1/10	Old Bull North	350 Cows/470 Yearlings
1/11-2/5	Valley North (South)	350 Cows/470 Yearlings
2/6-2/26	Valley North (North)	350 Cows/470 Yearlings
2/27-3/15	Valley South	350 Cows/470 Yearlings
3/16-3/31	Old Bull South	350 Cows/470 Yearlings
4/1-4/20	Deadwood	450 Cows/600 Yearlings**
4/21-5/10	Roundup	450 Cows/600 Yearlings**
5/11-5/31	Tinney	450 Cows/600 Yearlings**
6/1-6/20	New Tank South	450 Cows/600 Yearlings**
6/21-7/31	Brady	450 Cows/600 Yearlings**
8/1-8/5	Banfield	450 Cows/600 Yearlings**
8/6-9/16	Bar D	450 Cows/600 Yearlings**
9/17-9/26	Triangle	450 Cows/600 Yearlings**
9/27-10/7	Shipping #1	450 Cows/600 Yearlings**
10/8-10/18	Shipping #2	450 Cows/600 Yearlings**
10/19-10/24	Shipping #3	450 Cows/600 Yearlings**
10/25-11/9	Goswick	450 Cows/600 Yearlings**
11/10-11/19	*Brady South	450 Cows/600 Yearlings**
11/20-11/24	*New Tank SE	450 Cows/600 Yearlings**
11/25-11/30	*New Tank SW	450 Cows/600 Yearlings**
12/1-12/10	*Tinney S	450 Cows/600 Yearlings**
12/11-12/20	*Roundup S	450 Cows/600 Yearlings**
12/21-12/31	*Deadwood S	450 Cows/600 Yearlings**

\*IMPROVEMENTS (New pastures created due to construction of structural improvements).

\*\*Numbers based on meeting utilization and graze periods in the Winter Use Area

Allotment Management Plan  
Beaver Creek Allotment

Cost Distribution

<u>Year</u>	<u>Project</u>	<u>F.S.</u>	<u>Permittee</u>
1997	Pipeline (2.5 miles)	\$ 6,500	\$ 7,000
1997	Electric fence (2 miles)	\$ 3,000	-0-
1997	Electric fence (6 miles)	-0-	\$ 9,000
1997	Cattleguard	\$ 7,000	-0-
1998	Electric fence (14.5 miles)	\$ -0-	\$19,600
		<u>\$16,500</u>	<u>\$35,600</u>

1998

<u>Dates</u>	<u>Pasture</u>	<u>Number/Class of Livestock</u>
1/1-1/10	Old Bull North	450 Cows/600 Yearlings
1/11-2/5	Valley North ( <del>South</del> )	450 Cows/600 Yearlings
2/6-2/26	MISS CINDY Valley North ( <del>North</del> )	450 Cows/600 Yearlings
2/27-3/15	Valley South	450 Cows/600 Yearlings
3/16-3/31	Old Bull South	450 Cows/600 Yearlings
4/1-4/20	Deadwood North	550 Cows/740 Yearlings**
4/21-5/10	Roundup North Burnt Basin	550 Cows/740 Yearlings**
5/11-5/31	Tinney North	550 Cows/740 Yearlings**
6/1-6/10	New Tank Northwest Harris	550 Cows/740 Yearlings**
6/11-6/20	New Tank Northeast Pine Ridge	550 Cows/740 Yearlings**
6/21-6/25	Antelope	550 Cows/740 Yearlings**
6/26-7/10	Woodland	550 Cows/740 Yearlings**
7/11-7/31	Brady North	550 Cows/740 Yearlings**
8/1-8/16	Hollingshead	550 Cows/740 Yearlings**
8/17-9/6	Bar D North	550 Cows/740 Yearlings**
9/7-9/20	Shipping #1	550 Cows/740 Yearlings**
9/21-10/2	Shipping #2	550 Cows/740 Yearlings**
10/3-10/18	Shipping #3	550 Cows/740 Yearlings**
10/19-11/2	*Jacks East	550 Cows/740 Yearlings**
11/3-11/8	Hollingshead	550 Cows/740 Yearlings**
11/9-11/19	Brady North	550 Cows/740 Yearlings**
11/20-11/29	New Tank Northeast Pine Ridge	550 Cows/740 Yearlings**
11/30-12/9	New Tank Northwest Harris	550 Cows/740 Yearlings**
12/10-12/14	Tinney North	550 Cows/740 Yearlings**
12/15-12/23	Roundup North	550 Cows/740 Yearlings**
12/24-12/31	Deadwood North	550 Cows/740 Yearlings**

\*\*Numbers based on utilization and grazing periods as spelled out for the Winter and Transition Use Areas

Allotment Management Plan  
 Beaver Creek Allotment

1998

If a cow-calf operation is used the Bulls will be grazed as follows:

<u>Dates</u>	<u>Pasture</u>	<u>Number/Class of Livestock</u>
6/26-7/15	Woodland	Bulls
7/16-8/7	*Jacks West	Bulls
8/8-9/8	*Jacks South	Bulls
9/9-9/29	*Jacks North	Bulls
9/30-10/20	*Jacks West	Bulls
10/21-11/15	Woodland	Bulls
11/16-11/30	Antelope	Bulls
12/1-12/11	New Tank NE	Bulls
12/12-12/22	New Tank NW	Bulls
12/23-12/29	Tinney North	Bulls

\*IMPROVEMENTS (New pastures created due to construction of structural improvements).

1999

<u>Dates</u>	<u>Pasture</u>	<u>Number/Class of Livestock</u>
1/1-1/10	Old Bull North	550 Cows/740 Yearlings
1/11-2/5	Valley North (South)	550 Cows/740 Yearlings
2/6-2/26	Valley North (North)	550 Cows/740 Yearlings
2/27-3/15	Valley South	550 Cows/740 Yearlings
3/16-3/31	Old Bull South	550 Cows/740 Yearlings
X 4/1-4/20	Deadwood South	550 Cows/740 Yearlings
4/21-5/10	Roundup South	550 Cows/740 Yearlings
5/11-5/31	Tinney South	550 Cows/740 Yearlings
6/1-6/20	New Tank Southwest	550 Cows/740 Yearlings
6/21-7/5	New Tank Southeast	550 Cows/740 Yearlings
7/6-7/25	Brady South	550 Cows/740 Yearlings
7/26-8/10	Goswick	550 Cows/740 Yearlings
8/11-8/16	Banfield	550 Cows/740 Yearlings
8/17-9/6	Bar D South	550 Cows/740 Yearlings
9/7-9/21	Triangle	550 Cows/740 Yearlings
9/22-10/5	Shipping #1	550 Cows/740 Yearlings
10/6-10/21	Shipping #2	550 Cows/740 Yearlings
10/22-10/31	Shipping #3	550 Cows/740 Yearlings
11/1-11/6	Bar D South	550 Cows/740 Yearlings
11/7-11/18	Brady South	550 Cows/740 Yearlings
11/19-11/28	New Tank SE	550 Cows/740 Yearlings
11/29-12/8	Tinney South	550 Cows/740 Yearlings
12/9-12/18	Roundup South	550 Cows/740 Yearlings
12/19-12/31	Deadwood South	550 Cows/740 Yearlings